

CLAIMS

What is claimed is:

1. A steam oven, comprising:
a steam generator;
a cooking cavity;
a steam feed pipe to feed steam generated by the steam generator into the cooking cavity; and
a steam distributing pipe disposed at an end of the steam feed pipe to distribute the steam from the steam feed pipe into the cooking cavity.
2. The steam oven according to claim 1, wherein:
the steam distributing pipe has an irregularly bent shape.
3. The steam oven according to claim 1, wherein:
the steam distributing pipe comprises a plurality of steam distributing pipes, of which outlet ends are directed to different areas in the cooking cavity, respectively.
4. The steam oven according to claim 3, wherein:
the plurality of steam distributing pipes are arranged to direct the steam to spirally flow in the cooking cavity.
5. The steam oven according to claim 1, further comprising:
a sectional area control part provided in the steam feed pipe to control a flow speed of the steam in the steam feed pipe.
6. The steam oven according to claim 5, wherein:
the sectional area control part is controlled by a user, to adjust a sectional area of the steam feed pipe.
7. The steam oven according to claim 5, wherein the sectional area control part is adjacent to the steam distributing pipe.

8. An apparatus, comprising:
a cooking cavity;
a steam generator generating steam; and
a sectional area control part, directing the steam from the steam generator into the cooking cavity, and controlling a flow speed of the steam.
9. The apparatus according to claim 8, further comprising:
a steam feed pipe directing the steam from the steam generator into the cooking cavity, wherein the sectional area control part is positioned in the steam feed pipe.
10. The apparatus according to claim 9, further comprising:
a sectional area control part disposed in the steam feed pipe; and
at least one support rib connected to the sectional area control part and an inner surface of the steam feed pipe,
wherein the sectional area control part is defined as an area between the sectional area control part, the at least one support rib, and the inner surface of the steam feed pipe.
11. The apparatus according to claim 8, wherein:
the sectional area control part controls the flow speed of the steam in accordance with a manipulation by a user.
12. The apparatus according to claim 8, further comprising:
at least one steam distributing pipe directing the steam from the sectional area control part into the cooking cavity and further controlling the flow speed of the steam.
13. The apparatus according to claim 12, wherein:
the at least one steam distributing pipe directs the steam spirally into the cooking cavity.
14. The apparatus according to claim 12, further comprising:
a steam feed pipe; and
an end wall positioned at an end of the steam feed pipe opposite to the steam generator and connected to a first end of the at least one steam distributing pipe,

wherein

the steam feed pipe and the end wall direct the steam from the steam generator to the at least one steam distributing pipe, and

the sectional area control part is positioned in the steam feed pipe adjacent to the end wall.

15. The apparatus according to claim 12, wherein:
the at least one steam distributing pipe evenly distributes the steam into the cooking cavity.

16. The apparatus according to claim 12, wherein:
the at least one steam distributing pipe is produced by pressing stainless steel.

17. The apparatus according to claim 12, wherein:
the at least one steam distributing pipe is a plurality of steam distributing pipes.

18. The apparatus according to claim 17, wherein:
respective first ends of the plurality of steam distributing pipes are directed to different areas of the cooking cavity, to evenly distribute the steam into the cooking cavity.

19. The apparatus according to claim 12, wherein:
the at least one steam distributing pipe has at least one bend, to further control the flow speed of the steam.

20. The apparatus according to claim 19, wherein:
the at least one bend induces turbulence in the steam.

21. The apparatus according to claim 19, wherein:
the sectional area control part and the at least one bend induce turbulence in the steam;
and
the apparatus does not comprise a blowing unit.

22. A steam oven, comprising

- a cooking cavity;
- a steam generator generating steam;
- a steam feed pipe directing the steam from the steam generator;
- a sectional area control part, disposed in the steam feed pipe and controlling a flow speed of the steam;
- at least one steam distributing pipe, directing the steam from the steam feed pipe into the cooking cavity and further controlling the flow speed of the steam; and
- an end wall positioned adjacent to the sectional area control part at an end of the steam feed pipe opposite to the steam generator, connected to a first end of the at least one steam distributing pipe, and directing the steam from into the at least one steam distributing pipe.